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1. A method of changing a fragment size of data packets in a router where a data packet is divided into the data packets having the fragment size, and are transmitted to a network along with audio packets, comprising the steps of:

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acquiring, in the router, a parameter indicative of whether proper audio quality is maintained through transmission of the audio packets; and

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changing the fragment size of the data packets in response to the acquired parameter.

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2. The method as claimed in claim 1, wherein said step of acquiring includes a step of measuring, as said parameter, a wait time for which the audio packets wait in the router before being transmitted to the network.

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3. The method as claimed in claim 1, wherein said step of acquiring includes a step of measuring, as said parameter, a delay time of the network by transmitting a hello packet to and receiving the hello packet from the network.

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4. The method as claimed in claim 1,
wherein said step of acquiring includes a step of
counting, as said parameter, a number that indicates
how many times a congestion notice is received from
5 the network during a predetermined time period to
indicate congestion of the network.

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5. The method as claimed in claim 1,
wherein said step of acquiring includes a step of
acquiring, as said parameter, a number of audio
calls from an apparatus that counts the number of
15 audio calls.

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6. The method as claimed in claim 1,
wherein said step of acquiring includes a step of
acquiring, as said parameter, a number of audio
calls based on signaling information.

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7. A router apparatus for routing and
transmitting audio packets along with data packets
30 to a network, comprising:

a control unit which acquires a parameter
indicative of whether proper audio quality is
maintained through transmission of the audio
packets; and

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a fragmentation unit which divides a data
packet into the data packets having a fragment size,
and changes the fragment size in response to the

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acquired parameter.

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8. The router apparatus as claimed in claim 7, wherein said control unit measures, as said parameter, a wait time for which the audio packets wait in the router before being transmitted to the network.

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9. The router apparatus as claimed in claim 7, wherein said control unit measures, as said parameter, a delay time of the network by transmitting a hello packet to and receiving the hello packet from the network.

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10. The router apparatus as claimed in claim 7, wherein said control unit counts, as said parameter, a number that indicates how many times a congestion notice is received from the network during a predetermined time period to indicate congestion of the network.

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11. The router apparatus as claimed in claim 7, wherein said control unit acquires, as said parameter, a number of audio calls from an apparatus that counts the number of audio calls.

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12. The router apparatus as claimed in claim 7, wherein said control unit acquires, as said parameter, a number of audio calls based on signaling information.

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